

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|---|--|--|
| Applicant's or agent's file reference 25912A | FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small> | |
| International application No. PCT/US2008/058543 | International filing date (day/month/year) 28/03/2008 | (Earliest) Priority Date (day/month/year) 28/03/2007 |
| Applicant OWENS CORNING INTELLECTUAL CAPITAL, LLC | | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 04 sheets:

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

- ☒ as suggested by the applicant
☐ as selected by this Authority, because the applicant failed to suggest a figure
☐ as selected by this Authority, because this figure better characterizes the invention

b. ☐ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/058543

A. CLASSIFICATION OF SUBJECT MATTER

INV. B29C44/02 B29C44/50 C08K3/04 C08J9/00 C08J9/14
C08J3/22 E04C2/20
ADD. C08L25/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B32B B29C C08J C08K C08L E04C C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | WO 99/31170 A (DOW CHEMICAL CO [US]; CHAUDHARY BHARAT I [US]; SUH KYUNG W [US]; PAQUE) 24 June 1999 (1999-06-24) page 1, line 9 - line 26 page 6, line 12 - page 7, line 9 claims 1,6,8,13 | 1-20 |
| X | WO 2006/073712 A (OWENS CORNING FIBERGLASS CORP [US]; LOH ROLAND R [US]; POLASKY MARK E) 13 July 2006 (2006-07-13) abstract example 4 claim 1 page 1, line 6 - line 10 page 9, line 12 - page 10, line 8 ----- -/- | 1-20 |

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 July 2008

Date of mailing of the international search report

23/07/2008

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2008/058543

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| Y | WO 98/03581 A (DU PONT [US]; CREAZZO JOSEPH ANTHONY [US]; HAMMEL HOWARD S [US]; YORK) 29 January 1998 (1998-01-29) page 1, line 19 - line 30 page 3, line 5 - line 23 page 4, line 6 - page 5, line 5 page 5, line 34 - page 6, line 20 example 1 claims 1,8 | 1-20 |
| Y | WO 2005/054349 A (OWENS CORNING FIBERGLASS CORP [US]; RYND JOSEPH P [US]; LOH ROLAND R []) 16 June 2005 (2005-06-16) page 1, line 9 - page 5, line 24; claim 1; example 4 | 1-20 |
| Y | DE 199 07 663 A1 (BASF AG [DE]) 24 August 2000 (2000-08-24) page 2, line 12 - line 45; claims 1,4 | 1-20 |
| X | US 2001/036970 A1 (PARK CHUNG P [DE]) 1 November 2001 (2001-11-01) cited in the application abstract paragraphs [0040] - [0042], [0088] - [0098] | 1-20 |
| P,X | WO 2008/005022 A (OWENS CORNING FIBERGLASS CORP [US]; LOH ROLAND R [US]; POLASKY MARK E) 10 January 2008 (2008-01-10) claims 1,3,11-13 | 1-20 |
| A | DE 199 10 257 A1 (SCHWENK DAEMMTECHNIK GMBH & CO [DE]) 21 September 2000 (2000-09-21) abstract column 2, line 22 - column 3, line 48; claim 1 | 1-20 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/058543

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